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Bostik
smart adhesives

1200

ACETOXY CURE SILICONE SEALANT

KEY FEATURES

- Excellent UV resistance, Long term life expectancy
- Easy gunning, No installation fatigue
- Non-water based, No washout from precipitation

DESCRIPTION

Bostik 1200 is a one-component silicone sealant that cures by reaction with moisture. Its cured properties allow it to be used in a wide array of applications to principally non-porous surfaces. Bostik 1200 exhibits excellent adhesion to such building materials as glass, glazed ceramic tile, and aluminum.

APPLICABLE STANDARDS

- CARB, SCAQMD, and OTC compliant
- Meets ASTM C920, Class 25% Joint Movement

BASIC USES

- Perimeter sealing around windows, doors, and other exterior and interior building components.
- Sealing metal frames
- Sealing windows and skylights
- Sealing dissimilar building materials such as plastics, ceramics, and metals

FEATURES & BENEFITS

- Non-water based, No washout from precipitation.
- Easy gunning, No installation fatigue
- Excellent UV resistance, Long term life expectancy
- Wide service temperature range -49°F to 302°F (-45°C to 150°C)
- Movement Capability +/- 25% movement

COLORS

Translucent

INSTALLATION PROTOCOL

Joint Design: In general, more joint movement can be accommodated in a thin bead of sealant than a thick bead. Bostik 1200 should be no thicker than 1/2" (12.7mm) and no thinner than 1/4" (6.4mm). In joints between 1/2" and 1", the ratio of sealant width to depth should be approximately 2:1. Sealant depth in joints



between 1/4" and 1/2" should be 1/4" deep. Joints with dynamic movement should not be designed in widths less than 1/4".

Surface Preparation: See limitations about surface preparation. Surfaces must be structurally clean, dry (no frost) and structurally sound, free of contaminants, including, but not limited to, dust, dirt, loose particles, tar, asphalt, rust, mill oil, etc. If substrate is painted or coated, scrape away all loose and weakly bonded paint or coating. Any paint or coating that cannot be removed must be tested to verify adhesion of the sealant or to determine the appropriate surface preparation if needed. (See ASP section on next page for details.) To remove laitance and any other loose material, clean concrete, stone or other masonry materials with non-alcoholic based solvent by washing, grinding, sandblasting or wire brushing as necessary. Do not use water to clean substrates. Dust must be thoroughly removed after cleaning. Alcohol is not compatible with polyurethanes and its use can cause irreparable damage to the sealant. If alcohol is used as a cleaning solvent, all traces of alcohol must thoroughly be removed prior to the installation of the polyurethane sealant. Lastly, alcohol is not recommended as a tooling medium.

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Backer Rods and Bond Breaker Tapes: Bond breakers including, but not limited to, closed-cell polyethylene backer rods are used to control depth of the sealant bead, provide a firm tooling surface and avoid three-sided adhesion. Where the depth of joint prevents use of backer rods, a polyethylene strip or tape must be used as a bond breaker to prevent 3-sided adhesion. Do not prime or damage the surface of the bond breaker. Refer to instructions given by rod and tape manufacturers for the correct backer rod and tape size related to joint size.

Priming: In general, application of Bostik 1200 does not require priming the substrates. However, some substrates may require a Bostik primer. It is the user's responsibility to check adhesion of the cured sealant on typical test joints at the project site before and also during application as weather conditions may affect the adhesion results (See ASP section on next page.). Refer to Bostik Primer product data sheet or call Technical Service for proper selection and application of Bostik Primers.

Tooling: Bostik 1200 comes ready-to-use. Cut spout or tip to desired bead size. Apply moderate pressure to break seal inside the nozzle. Apply by using a professional caulking gun. Use opened cartridges and sausages the same day they are opened. Apply Bostik 1200 in a continuous operation using positive pressure to the bottom of the joint to properly fill and seal the joint. When applying, avoid air entrapment and overlapping. Tool the sealant before the skin forms with adequate pressure to spread the sealant against the backup material at the bottom and sides of the joint. A dry tool with a concave profile is recommended for that operation. Do not use water or soapy water for this operation. Avoid smearing and feathering of the sealant to allow full performance of the cured seam. Excess sealant should be dry-wiped or joints should be properly taped.

Cleaning: After dry-wiping uncured sealant from substrates and tools, remaining uncured sealant can be removed by using Xylene, Toluene or similar aromatic solvents. Please refer to the MSDSs provided for these solvents before use. Bostik Hand Towel and Specialty Sealant Remover™ can also remove uncured sealant. Cured sealant is usually very difficult to remove without altering or damaging the surface to which the sealant has been misapplied. Cured sealant can be removed by abrasion or other mechanical means (scrapers, putty knives).

Curing Time: Bostik 1200 is a silicone sealant. On wood, with ambient air at 50% relative humidity and at 73°F, polyurethane sealants will generally skin within one hour and cure 1/16 of an inch per day. Lower temperature and lower relative humidity will significantly increase the skin time and cure time of a silicone sealant.

Painting and Coating: See Limitations section regarding painting.

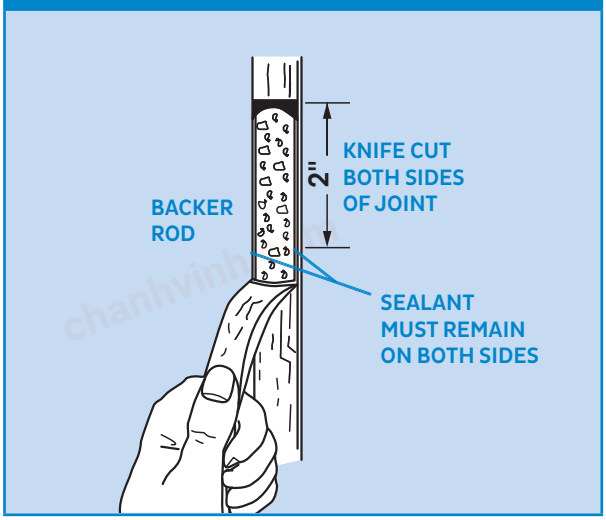
Maintenance: If the sealant becomes damaged, replace the damaged portion by removing the old sealant completely, cleaning the surfaces and reapplying a fresh and appropriate amount of new sealant in accordance with the directions and information contained in this data sheet.

MANDATORY ADHESION TO SUBSTRATES PRETEST— (ASP)

A hand pull test must be run before the job starts and at regular intervals during the job. It must be run on the job site after the sealant is fully cured, usually within 7 to 21 days. (Adhesion may develop fully after at least 14 days.) The hand pull test procedure is as follows:

1. Make a knife cut horizontally from one side of the joint to the other.
2. Make two cuts approximately two inches long, at the sides of the joint, meeting the horizontal cut at the top of the two-inch cuts.
3. Grasp the two-inch piece of sealant firmly between the fingers and pull down at a 90° angle or more, and try to pull the uncut sealant out of the joint.
4. If adhesion is sufficient, the sealant should tear cohesively in itself.
5. Sealant may be replaced by applying more sealant in the same manner as it was originally applied. Care should be taken to ensure that the new sealant is in contact with the original, and that the original sealant surfaces are clean, so that a proper bond between the new and old sealant will be obtained.

MANDATORY ADHESION TO SUBSTRATE (ASP) FIELD TEST



STORAGE, PACKAGING AND SHELF LIFE

Shelf life of Bostik 1200 must be checked prior to using the product; do not use past its shelf life. Caulk past its shelf life may not perform or adhere as described by this data sheet. High temperature and high relative humidity may reduce significantly the shelf life of polyurethane sealants. If you are unsure of the expiration date of your Bostik product, please call customer service at 1-800-7/BOSTIK (1-800- 726-7845) to check if the product is still within its shelf life.

AVAILABILITY

Available from authorized Bostik distributors. Go to www.bostik.com/us and check on our distributor locator for the closest distributor in your location or call customer service at 1-800-7/BOSTIK (1-800-726-7845).

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TECHNICAL SERVICE

TECH SERVICE phone number: 1-800-7/BOSTIK (1-800-726-7845). Field visits by Bostik personnel, Bostik manufacturer representatives or Bostik authorized distributor personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH AND SAFETY

Please refer to the MSDS for First Aid Information. Most current MSDS's can be found on Bostik's website at www.bostik.com/us or call customer service at 1-800-7/BOSTIK (1-800-726-7845).

WARNING

This product contains a chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

CAUTION

COMBUSTIBLE. HARMFUL IF SWALLOWED OR INHALED. CONTAINS POTENTIAL SENSITIZER. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Methanol may form during curing. Do not breathe fumes. Do not get in eyes, on skin or on clothing. Do not swallow. Use only in a well-ventilated area or wear m-ask. Keep away from flames or sparks. Wash thoroughly after handling. Store container in a cool (60-80F / 15-30C), dry area with lid tightly sealed. Do not reuse container. KEEP OUT OF THE REACH OF CHILDREN.

FIRST AID TREATMENT

If in eyes or on skin, rinse with water for at least 15 minutes. If on clothes, remove clothes. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting. SEE SAFETY DATA SHEET.

APPLICATION LIMITATIONS

- Construction substrates have become complex and diverse by nature and origin. Substrate chemistries and structures can interfere with adhesive performances of the sealant. Adhesion to Substrate Pretest (ASP) is therefore MANDATORY to assess any adhesion and sealing characteristics—see Adhesion to Substrates Pretest section and see Installation Protocol section. This must be done pre-installation to avoid potential failures. Call Technical Service for more information about surface preparation and possible priming.
- Do not apply over damp, contaminated, loose surfaces (See Installation Protocol and Surface Preparation), old sealants or other foreign substances that may impair the adhesion bond. Avoid air entrapment.
- The ultimate performance of Bostik 1200 depends on proper joint design and proper application with joint surfaces properly prepared (See Installation Protocol). Bostik 1200 is not recommended for joints with dimensions less than or greater than what is recommended below. (See Installation Protocol—Joint Design section.)
- Bostik 1200 must not be used to seal narrow joints, fillet joints and face nail holes.
- Smearing and feathering Bostik 1200 over joints is not recommended.
- Bostik 1200 is not recommended for horizontal joints or traffic-bearing joints where abrasion resistance is required (walkways, driveways, runways, etc.). Please refer to Bostik 955-SL for this application.
- Bostik 1200 sealant is not recommended for exterior or interior structural sealing below the waterline in marine applications.
- Bostik 1200 is not recommended for continuous immersion in water or any other fluid. When fully cured, avoid exposure, even incidental, to fuels, chlorinated, acid and alkaline solutions. Bostik 1200 is not recommended for exterior or interior sealing below the waterline; please refer to Bostik 940 Fast Set for marine applications.
- Contact of Bostik 1200 with asphalts (i.e., back coating of window flashing, etc.) and other filler compounds impregnated with oil, asphalt, tar, etc., may deteriorate the cohesive strength of the substrate and ultimately compromise the seal.
- Bostik 1200 sealant should not be applied to concrete, marble, limestone, lead or lead coated surfaces, zinc coated metal (galvanized) and copper.
- Bostik 1200 sealant should not be applied to construction materials that may exude oils, resins, plasticizers or solvents. These include, but are not limited to, unfinished or impregnated woods, certain rubber or plastic gaskets and tapes and failed non-silicone sealants or caulking compounds.
- Lower relative humidity and temperature will significantly extend the curing time. Confined areas, deep joints and moisture barrier substrates may also affect the full cure time and extend it by many days.
- Until the sealant is fully cured, do not expose the sealant to any mechanical stress. Uncured sealant will not respond properly to cyclic expansion and contraction of the joint specified for the cured sealant only.
- Bostik 1200 may remain tacky for a few hours and attract dust and dirt from the jobsite which may affect the appearance of the sealant. Check tack-free time to prevent dirt pickup.
- Bostik 1200 sealant is not recommended in designs that will be painted after application of the sealant. Paint films bridge the sealant but do not adhere to the sealant. The sealant should be applied after painting is completed.
- Bostik 1200 sealant should not be applied to surfaces with special protective or cosmetic coatings without prior consultation of the manufacturer. Such surfaces include, but are not limited to, mirrors, reflective glass, surfaces coated with Teflon®, polyethylene or polypropylene.

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LIMITED WARRANTY

Limited Warranty found at www.bostik.com/us or call 800-726-7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

COVERAGE FOR 10.1 FL. OZ. (298 ML) CARTRIDGE

	width							
depth	1/8"	1/4"	3/8"	1/2"	5/8"	3/4	7/8"	1"
1/8"	99	49	33	24	20	16	14	12
1/4"		24	20	12	10	8	7	6
3/8"			11	8	6	5	5	4
1/2"				6	5	4	3	3

Linear Feet Per 10.1 FL. OZ. Cartridge

PRIMER COVERAGE RECOMMENDATIONS

For one quart of primer, coverage is as follows	
1 unit	5 gallon pail
5 units	1.5 gallon unit
7 gallons	1 gallon unit

*All values are approximations and can vary due to joint dimension variations, porosity, and texture of substrates. Yield per cartridge is approximate due to variables beyond Bostik's control, such as irregular joint configuration and installation technique.

TABLE 1: TYPICAL UNCURED PROPERTIES*

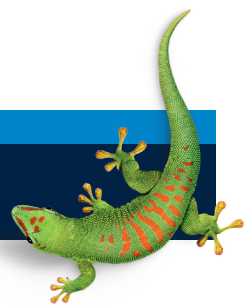
Property	Value	Test Method/Note
Tool/Work Time	10 min.	Bostik Test Method
Skin Time	25 min.	Bostik Test Method
Flow, Sag or Slump	0.1 inch	TT-S-001543A/ASTM C 639

* Values given above are not intended to be used in specification preparation purposes.

TABLE 2: TYPICAL CURED PROPERTIES* (AFTER 14 DAYS CURE AT 77°F AND 50% RH)

Property	Value	Test Method/Note
Hardness (Shore A)	17	ASTM D 2240
Modulus @ 100% Elongation	58 psi	ASTM D 412
Tensile Strength @ Break	290 psi	ASTM D 412
Elongation @ Break	570%	ASTM D 412
Joint Movement Capability	+/-25%	TT-S-001543A / ASTM C 719

* Values given above are not intended to be used in specification preparation purposes.



BOSTIK HOTLINE

Smart help
1-800-726-7845

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This document supersedes all previously published literature.
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